Chapter 12: References

Note: In addition to the references used in the text of this report, this bibliography lists several references to epidemiological studies that may be of interest to the readers. These references were used in an arlier draft that made more extensive use of epidemiological findings to justify risk ratios.

Adams, J.G., Zhang, J., Morgan, M.G., and Nair, I. (1995). A method for evaluating transmission line magnetic field mitigation strategies that incorporates biological uncertainty. *Risk Analysis, 15,* 313.

Alzheimer's Association (1998). Web site: www.alzheimers.org.

American Cancer Society (1998). Web site: www.cancer.org/statistics.

Billinton, R., and Wenyuan, L. (1994). *Reliability assessment of electric power systems using Monte Carlo methods*. New York: Plenum Press.

Billinton, R. et al. (1995). *Transmission equipment reliability using the Canadian Electricity Association information system. The reliability of transmission and distribution equipment*. March 29-31, Conference Publication No. 406, IEE.

Bracken , D., et al. (1990). *The EMDEX project: Technology transfer and occupational measurements*. EPRI EN 7048, Palo Alto: Electric Power Research Institute.

Bureau of Labor Statistics (1994). *Fatal Workplace Injuries in 1993: Data and analysis*. Washington, DC: U.S. Department of Labor.

CAI (1992). *Cost Effectiveness Analysis: Mitigation of Electromagnetic Fields*. Prepared for State of RI and Providence Plantations.

CAI (2000). Cost estimate review – EMF mitigation options. Report prepared for the California Public Health Institute.

California Cancer Registry. (2000). Web site: www.ccrcal.org.

California Division of Labor Statistics and Research (1998). *Census of fatal occupational injuries*. San Francisco, Web Site: www.dir.ca.gov/DIR/S&R/table1.html.

California Energy Commission (1999). *1997 California System Power*. Web Site: www.energy.ca.gov/electricity/system_power.html.

California State Fire Marshall (1988). *California fire incident reporting system: Annual report, 1988*. Sacramento: CSFM.

Canadian Electricity Association (1995). *Forced outage performance of distribution equipment (1991-1992)*. Montreal, CEA.

Canadian Electricity Association (1996). *Forced Outage Performance of Transmission Equipment (1991-1995)*. Montreal: CEA.

Cantor, K.P., Dosemeci, M., Brinton, L.A., and Stewart, P.A. (1995). Re: breast cancer mortality among female electrical workers in the Untied States (letter). JNCI, 87, 227-228.

Center for Disease Control (1998). Web site: www.cdc.nchswww/fastats/cancer.

Center for Disease Control (1998). Web site: www.cdc.nchswww/fastat/alzheimer.htm.

Clemen, R. (1990). *Making hard decisions*. PWT Kent: New York, NY.

Coogan, P.F., Clapp, R.W., Newcomb, P.A., Wenzl, T.B., Bogdan, G., Mittendorf, R., Baron, J.A., and Longnecker, M.P. (1996). Occupational exposure to 60-hertz magnetic fields and risk of breast cancer in women. *Epidemiology, 7,* 459-464.

CPUC (1998). Data supplied by a number of CA utilities in response to a request by CPUC for information comparing various aspects of overhead and underground designs.

DelPizzo, V. (2000). Memorandum regarding attributable risk of cancer due to EMS. CDHS, Oakland, CA.

Demers, P.A., Thomas, D.B., Rosenblatt, K.A., Jimenez, L.M., McTiernan, A., Stalsberg, A., Thompson, W.D., Curren, M.G., Satarino, W., Austin, D.F., Isacson, P., Greenberg, R.S., Key, C., Kolonel, L.N., and West, D.W. (1991). Occupational exposure to electromagnetic fields and breast cancer in men. *American Journal of Epidemiology*, *134*, 340-347.

Electric Power Research Institute (1997). *Application of EPRI's transmission reliability evaluation for large-scale systems (TRELSS) program to Bonneville Power Administration*. TR-108815. Palo Alto: EPRI.

EMF Science Review Symposium (1998). Breakout Group Reports for Epidemiological Research Findings. San Antonio, Texas, January 12-14, 1998.

Enertech (1998a). *Electric and Magnetic Field Exposure Assessment of Powerline and Non-Powerline Sources for Public School Environments*. Draft Report, October 1998.

Enertech (1998b). *Magnetic Field Mitigation Cost Estimates*. Draft Report, June 1998.

Fear, N.T., Roman, E., Carpenter, L.M., Newton, R., and Bull, D. (1996). Cancer in electrical workers : An analysis of cancer registrations in England 1981-87. *Br J Cancer*, 73, 935-939.

FERC (1992). *Financial Statistics of Selected Electric Utilities, 1992*. Energy Information Administration, US Department of Energy.

Feychting, M. (1996) Occupational Exposures to electromagnetic fields and adult leukemia: A review of the epidemiological Evidence, Radiation and Environmental Biophysics, 35, 237-242.

Feychting, M., and Ahlbom, A. (1992). *Magnetic fields and cancer in people residing near Swedish high-voltage power lines*. Institutet for Miljomedicin (IMM) Report 6/92, Stockholm, Sweden.

Feychting, M., and Ahlbom, A. (1993). Magnetic fields and cancer in children residing near Swedish high-voltage power lines. *American Journal of Epidemiology*, *138*, 467-481.

Feychting, M., Forssen, U., and Floderus, B. (1997). Occupational and residential magnetic field exposure and leukemia and central nervous system tumors. *Epidemiology*, *8*, 384-389.

Feychting, M., Forssen, U., Rutqvist, L.E., Ahlbom, A. (1998). Magnetic fields and breast cancer in Swedish adults residing near high power lines. *Epidemiology*, 9, 392-397.

Feychting, M., Pederson, J.L.,Svedberg, P., Floderus, B., and Gatz, M. (1998). Occupational exposure to electromagnetic fields and Alzheimer's Disease. *Scandinavian Journal of Work and Health*, (in press).

Floderus, B., Persson, T., Stenlund, C., (1996) Magnetic Field exposures in the workplace: reference distribution and exposures in occupational groups. International Journal of Occupational Medicine and Environmental Health, 2, 226-238.

Floderus, B., Persson, T., Stenlund, C., Wennberg, A., Ost, A., Knave, B. (1993). Occupational exposure to electromagnetic fields in relation to leukemia and brain tumors: a case-control study in Sweden. *Cancer Causes and Control, 4*, 465-476.

Floderus, B., Tornqvist, S., and Stenlund, C. (1994). Incidence of selected cancers in Swedish railway workers 1961-79. *Cancer Causes and Control, 5*, 189-194.

Fulton, J.P., Cobb S, et al. (1980). Electrical wiring configurations and childhood leukemia in Rhode Island. *American Journal of Epidemiology, 111*, 292-296.

Gray, W. (1998). Personal communication, August, 1998.

Gray, W. (1999). Personal communication, June, 1999.

Gray, W. (2000). Personal communication, May, 2000)

Gregory, R. (1999). Feasibility study to estimate the impacts on property values of EMF exposure from power lines. In J. Adams, T. Eppel, I. Nair and D. von Winterfeldt, *Power Grid and Land Use Policy Analysis, Draft Final Report, Appendix E*.

Gregory, R., and von Winterfeldt, D. (1996). The effects of electromagnetic fields from transmission lines on public fears and property values. *Journal of Environmental Management, 48,* 201-214.

Gurney, J.G., Mueller, B.A., Davis, S., Schwartz, S.M., Sevens, R.G., and Kopecky, K.J. (1996). Childhood brain tumor occurrence in relation to residential power line configurations, electric heating sources, and electric appliance use. *American Journal of Epidemiology, 143,* 120-128.

Hamilton, S., and Schwann, G. (1995). Do high voltage transmission lines affect property value? *Land Economics, 71,* 436-44.

Hatch, E.E., Linet. M.S., Kleinerman, R.A., Tarone, R.E., Severson, R.K., Hartsock, C., Haines, C.M., Kaune, W.T., Friedman, D.R., Robison, L.L., Niwa, S., and Wacholder, S. (1997). Association between childhood acute lymphoblastic leukemia and use of electrical appliances during pregnancy and childhood. *Epidemiology, 9,* 234-245.

Howard. R. (1980). On making life and death decisions. In R.C. Schwing and W.R. Alberts (Eds.), *Societal risk assessment*. New York: Plenum Press, p. 89-106.

International Copper Association (1995). *An Analysis of the Economics of Undergrounding in the European Electricity Utility Sector*. Gorham and Partners, London.

Johnson, G. (1991). *Residential low-voltage grounding*. San Jose, CA: EPRI, EMF Science and Communications Seminar.

Jones-Lee, M. W. (1976). *The value of life: An economic analysis*. Chicago: Chicago University Press.

Kawas, C., Gray, S., Brookmeyer, R. Fozard, J., and Zonderman, A. Age-specific incidence rates of Alzheimer's disease. Neurology,54, 2000, 2072-2077.

Keeney, R.L. (1992). *Value-focused thinking*. Cambridge, MA: Harvard University Press.

Keeney, R.L. (1995). *Evaluating electromagnetic field implications of a transmission line moratorium.* Technical Report, Institute of Safety and Systems Management, University of Southern California: Los Angeles, CA

Keeney, R.L., and von Winterfeldt, D. (1997). *Value tradeoffs for the Hanford tank waste remediation system program*. Report No. PNNL-11724, UC-630. Richland, WA: Pacific Northwest National Laboratory.

Kheifets, L.I., Abdelmonem, A.A., Buffler, P.A., Zhang, Z.W. (1996). Occupational electric and magnetic field exposure and brain cancer : A meta-analysis. *JOEM*, *37*, 1327-1341.

Kheifets, L.I., Abdelmonem, A.A., Buffler, P.A., Zhang, Z.W., and Matkin, C.C. (1997). Occupational electric and magnetic field exposure and leukemia: A meta-analysis, *JOEM*, *39*, 1074-1091.

Kheifets, L., Kavet, R., and Sussman, S.S. (1997). Wire Codes, magnetic fields and childhood cancer Bioelectromagnetics, 18, 99-110.

Kheifets, L., London, S.J., and Peters, J.M. (1997). Leukemia risk and occupational electric field exposure in Los Angeles County. *American Journal of Epidemiology*, *146*, 87-90.

Lee, G., Neutra, R., Hristova, L. et al. (in press). Health effects from exposure to power-line frequency electric and magnetic fields. Epidemiology.

Li, C. Y., Theriault, G., and Lin, R.S.(1997). Residential Exposure to 60-hertz magnetic fields and adult cancers in Taiwan, Epidemiology 8, 25-30.

Linet, M.S., Hatch, E.E., Kleinerman, R.A., Robison, L.L., ,Kaune, W.T., Friedman, D.R., Severson, R.K., Haines, C.M., Hartsock, C., Niwa, S., Wacholder, S., and Tarone, R.E. (1997). Residential magnetic field exposure and childhood acute lymohoblastic leukemia. *New England Journal of Medicine*, *337*, 1-7.

Loomis, D.P., Savitz, D.A., and Ananth, C.V. (1994).Breast cancer mortality among female electrical workers in the United States, Journal of The National Cancer Institute, 86, 921-925.

London, S.J., Bowman, J.D., Sobel, E., Duncan, C.T., Garabrant, D.H., Pierce, N., Bernstein, L., and Peters, J.M. (1994). Exposure to magnetic fields among electrical workers in relation to leukemia risk in Los Angeles County. *American Journal of Industrial Medicine*, *26*, 47-60.

Lumina Decision Systems (1997). *ANALYTICA®. Visual Modeling Tool*. Los Gatos, California.

Matanoski, G.M., Elliott, E.A., Breysse, P.N., and Lynberg, M.C. (1992). Leukemia in telephone lineman. *American Journal of Epidemiology*, *137*, 609-619.

Michaelis, J., Schuz, H., Meiner, R., Zemann, E., Grigat, J. P., Kaletsch, U., Miesner, A., Brinkmann, K. Kalkner, W. & Kramer, H. (1992) Combined Risk Estimates for two German Population-Bases Case-Control Combined in Residential Magnetic Fields and Childhood Acute Leukemia Epidemiology 9, 92--94.

Michaelis J., Schuz, H., Meiner, R., Menger, M., Girgat, J.P., Kaatsch, P., Kapetsch, U., Miesner, A., Stamm, A., Brinkmann, K. & Karner, H. (1997). Childhood Leukemia and electromagnetic fields: results of a population-based case-control study in Germany. Cancer Causes and Control 8, 167-174.

Morgan, M.G., and Nair, I. (1992). Alternative function relationships between ELF field exposure and possible health effects: Report on an expert workshop. *Biolectromagnetics*, *13*, 335.

Nair et al. (1999). Environmental Justice Report. In J. Adams, T. Eppel, I. Nair and D. von Winterfeldt, *Power Grid and Land Use Policy Analysis, Draft Final Report, Appendix D*.

National Fire Data Center (1978). *Fire in the United States*. Washington, DC: U.S. Department of Commerce.

National Fire Protection Association (1990). *The National Electric Code: 1990 handbook (USA)*. Quincy, MA: National Fire Protection Association.

National Research Council (1996). *Public health effects of exposure to residential electric and magnetic fields*. Washington, D. C.: National Academy Press.

NIEHS Review (1998).

Olsen, R.G., Backus, S.L., and Stearns, R.D. (1992). Development and validation of software for predicting ELF magnetic fields near power lines. *IEEE Trans. Power Del., 7,* 2046.

Owen, M.L., Jarvis, J.B., and Behrens, G.P. (1983). *Boiler radionuclide emissions control: The feasibility and cost of controlling coal-fired boiler particulate emissions*. Technical Report, Radian Corporation, Austin, Texas.

Parkcenter Realty Advisors (1999). Feasibility study to measure the impact of electromagnetic fields exposure (EMF) from transmission and distribution lines on property values. In J. Adams, T. Eppel, I. Nair and D. von Winterfeldt, *Power Grid and Land Use Policy Analysis, Draft Final Report, Appendix E*.

PG&E (1994). *Distribution line EMF design guidelines*. PG&E, Electric Distribution Department.

Preston-Martin, S., Gurbey, J.G., Pogoda, J.M., Holly, E.A., & Meullar, B.A. (1996a). Brain tumor risk in children in relation to use of electric blankets and water bed heaters. Results from the United States west coast childhood brain tumor study. American Journal of Epidemiology, 143,1116-1122.

Preston-Martin, S., Navidi, W., Thomas, D., Lee, P. J., Bowman, J., & Pogoda, J., (1996b) Los Angeles Study of residential magnetic fields and childhood brain tumors. American Journal of Epidemiology 143, 105-119.

Ryan, N. Financing EMF Mitigation Measures. Memorandum to Raymond Neutra (CDHS), February 3, 2000.

San Diego Gas and Electric (1997). Report to the CPUC.

Sage Associates, (1999). *Estimate of Potential Annual Avoidable Costs From Understanding Electric Power Lines in California*. Citizens Stakeholders Group of the Stakeholders Advisory Committee, California Public Health Institute, Electric and Magnetic Fields Program, Montecito, CA

Savitz, D.A.. (1993). Overview of epidemiologic research on electric and magnetic fields and cancer. American Industrial Hygiene Journal, 54, 197-204.

Savitz, D.A., Checkoway, H., and Loomis D.P. (1998). Magnetic field exposure and neurodegenerative disease mortality among electric utility workers. *Epidemiology, 9,* 398 - 404.

Savitz, D., and Loomis, D.P. (1995). Magnetic field exposure in relation to leukemia and brain cancer mortality among electric utility workers. *American Journal of Epidemiology, 141,* 123-134.

Savitz, D.A., Loomis, D.P., and Chiu-Kit,.T. (1998). Electrical occupations and neurodegenerative disease: Analysis of U.S. mortality data. *Archives of Environmental Health* (In Press).

Schulte, P.A., Burnett, C.A. , Boeniger, M.F. , and Johnson, J. (1996). Neurodegenerative diseases : Occupational occurrence and potential risk factors, 1982 through 1991. *American Journal of Public Health, 86*, 1281-1288.

Sobel, E., Davanipour, Z., Sulkava, R., Erkinjuntti, T., Wilkstrom, J., Henderson, V.W., Buckwalter, G., Bowman, J.D., and Lee, P-J. (1995). Occupations with exposure to electromagnetic fields : A possible risk factor for Alzheimer's Disease. *American Journal of Epidemiology, 142*, 515-524.

Sobel, E, Dunn, M., Davanipour, Z., Qian, C., and Chui, H.C. (1996). Elevated risk of Alzheimer's disease among workers with likely electromagnetic field exposure. *Neurology*, *47*, 1477-1481.

Sobel, E., and Davanipour, Z. (1996). Electromagnetic field exposure may cause increased production of amyloid beta and may eventually lead to Alzheimer's Disease. *Neurology*, *47*, 1594-1600.

Statistical Abstracts of the United States (1994).

Tengs, T., et al. (1995). Five hundred life-saving interventions and their cost-effectiveness. *Risk Analysis*, *15*, 369-390.

Thaler, R., and Rosen, S. (1975). The value of saving a life: Evidence from the labor market. In N. E. Terleckyi (Ed.), *Household production and consumption*. New York: Columbia University Press, p. 265-298.

Theriault, G., Goldberg, M., Miller, A. B., Armstrong, B., Guenel, P., Deadman, J., Imbernon, E., To, T., Chevalier, A., Cyr, D., and Wall, C. (1994). Cancer risks associated with occupational exposure to magnetic field among electric utility workers in Ontario and Quebec, Canada and France : 1970-1989. *American Journal of Epidemiology, 139*, 550 -572.

Tomenius (1986).50-Hz electromagnetic environment and the incidence of childhood tumors in Stockholm , Bioelctomagnetics, 7: 191-207.

Tynes, T, Anderson, A, and Langmark, F,. (1992). Incidence of cancer in Norwegian Workers potentially exposed to electromagnetic fields, American Journal of Epidemiology, 136: 81-88.

US Department of Energy (1992). *Financial Statistics of Selected Electric Utilities*. US Department of Energy, Energy Information Administration.

US Department of Transportation (1994, 1995, 1996, 197). FARS

Utilities Report to the CPUC (1997).

Verkasolo, P.K., Pukkala, E., Hongisto, M.Y., Valjus, J., Jarvinen, P.J., Heikkila, K. V., & Koskenvuo, M. (1993). Risk of cancer in Finnish Children living close to power lines British Medical Journal, 307, 895-898.

Viscusi, W.K. (1992). *Fatal tradeoffs*. New York: Oxford University Press.

Viscusi, W.K. (1993). The value of risks to life and health. *Journal of Economic Literature, 312*, p. 1912-1946.

von Winterfeldt, D., and Edwards, W. (1986). *Decision analysis and behavioral research*. New York: Cambridge University Press.

von Winterfeldt, D., and Trauger, T. (1996). Managing electromagnetic fields from residential electrode grounding systems: A predecision analysis. *Bioelectromagnetics*, 17, 71-84.

Wertheimer, N., and Leeper, E. (1979). Electrical wiring configurations and childhood leukemia in Rhode Island. *American Journal of Epidemiology, 109*, 273-284.

Wertheimer, N., and Leeper, E. (1987). Magnetic Field exposure related to cancer subtypes, Annals of the New York, Academy of Sciences, 502, 43-54.

Zafanella, L. (1993). *Survey of residential magnetic field sources*. Palo Alto, CA: Electric Power Research, Technical Report No. TR-102759-V1.